

Listing of Claims

1. (Currently amended) A building insulation comprising:
a cellulosic facing, comprising at least one antifungal/antimicrobial agent present in an amount in weight of less than 200 ppm; and
an insulation layer adhered to said cellulosic facing by an adhesive, said insulation layer comprising randomly oriented inorganic fibers bonded together with a binder.
2. (Original) The building insulation of claim 1 wherein said antifungal/antimicrobial agent is nontoxic and noncarcinogenic when said facing is contacted by humans.
3. (Original) The building insulation of claim 1 wherein said antifungal/antimicrobial agent is heat resistant to a temperature of at least about 250°F.
4. (Currently amended) The building insulation of claim 1 wherein said antifungal/antimicrobial agent is heat resistant when contacted with molten bituminous adhesive; and
said insulation layer is bonded to said cellulosic facing with a ~~molten~~ bituminous adhesive, ~~which when cooled, adheres to said cellulosic facing to said insulation layer.~~
5. (Original) The building insulation of claim 1, wherein the cellulosic facing is Kraft paper.
6. (Original) The building insulation of claim 1, wherein said cellulosic facing has a basis weight of about 20-60 lbs. per 3000 ft².
7. (Currently amended) The building insulation of claim 1, wherein said antifungal/antimicrobial agent comprises one or more of the following: chlorine, ~~organomercurials~~ organomercurials, chlorinated phenols, organo-bromides, organo-sulphur compounds, copper sulfate, 2, 4, 4'-trichloro-2' hydroxydiphenol (Microban®), 5-chloro-2-(2, 4-

dichlorophenoxy) phenol; diiodomethyl-p-tolylsulfone; 2-bromo-2 nitropropane-1, 3-diol (BNPD); sodium 2-pyridinethiol-1-oxide (PEO); 2-(thiocyanato-methyl thio) benzothiazole (TCMTB), 3-iodo-2 propynyl-butyl carbamate; phenyl-(2-cyano-2 chlorovinyl) sulfone; N, N-dimethyl-N'-phenyl-(N'-fluorodichloromethylthio) sulfamide; 2, 2-dibromo-2-nitrilopropionamide; 3,4-dichloro-1, 2-dithiol-3-one; N-4-dihydroxy-alpha-oxobenzene-ethanimidoyl chloride; methylene-bis-thiocyanate; dodecylguanidine hydrochloride; sodium 2-pyridinethiol-1-oxide; trihaloalkyl sulfone; bis (trichloro methyl) sulfone (BTCMS), chlorhexidine; polyhexamethylene biguanide (PHMB), glutaraldehyde, a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one and derivations, homologues and combinations thereof.

8. (Original) The building insulation of claim 1, wherein said insulation has a R-value of between 5 and 100.

9. (Original) The building insulation of claim 1, wherein said insulation passes ASTM C1338 when exposed to a microorganism.

10. (Original) The building insulation of claim 1, wherein said antifungal/antimicrobial agent presents no significant toxic residue on said cellulosic facing.

11. (Canceled)

12. (Original) The building insulation of claim 4, wherein said antifungal/antimicrobial agent is present in said cellulosic facing in a level of about 3-180 ppm.

13. (Original) The building insulation of claim 4 wherein said antifungal/antimicrobial agent is added to the furnish pulp used to make said cellulosic facing.

14. (Currently amended) A building insulation comprising a cellulosic facing, comprising at least one antifungal/antimicrobial agent added to the furnish pulp used to make said cellulosic facing in a quantity of less than 200 ppm based on the dry weight of the cellulosic

facing, but high enough to render said facing mold resistant in accordance with ASTM C1338, ~~ASTM D-2020, TAPPI Test T487, or a combination thereof; and~~

an insulation layer adhered to said cellulosic facing by an adhesive, said insulation layer comprising randomly oriented inorganic fibers bonded together with a binder.

15. (Original) The building insulation of claim 14, wherein said cellulosic facing is Kraft paper having a basis weight of about 20-60 lbs. per 3000 ft.².

16. (Original) The building insulation of claim 15, wherein said Kraft paper has a bituminous vapor barrier coating thereon.

17. (Currently amended) The building insulation of claim 16, wherein said antifungal/antimicrobial agent is resistant to a temperature of at least about 250°F. [.]

18. – 37. (Canceled)

38. (Currently amended) A building insulation batt comprising:
a cellulosic facing comprising at least one antifungal/antimicrobial agent present in an amount in weight of less than 200 ppm, wherein the antifungal/antimicrobial agent which is nontoxic and noncarcinogenic when contacting the skin of a human being; and
an insulation layer adhered to said cellulosic facing by an adhesive, said insulation layer comprising randomly oriented inorganic fibers bonded together with a binder.

39. (Currently amended) A building insulation comprising:
a cellulosic facing comprising at least one antifungal/antimicrobial agent present in an amount in weight of less than 200 ppm, which is heat resistant to a temperature of at least about 250° F; and
an insulation layer bonded to said cellulosic facing with an adhesive, said insulation layer comprising randomly oriented inorganic fibers bonded together with a binder.

40. (Currently amended) A building insulation comprising:
a cellulosic facing comprising at least one antifungal/antimicrobial agent present
in an amount in weight of less than 200 ppm, which is heat resistant when contacted with molten
bituminous adhesive; and

an insulation layer bonded to said cellulosic facing with a ~~molten~~ bituminous
adhesive, ~~which when cooled, adheres to said cellulosic facing to said insulation layer~~, said
insulation layer comprising randomly oriented inorganic fibers bonded together with a binder.

41. (Currently amended) A facing for an insulation product, comprising a Kraft paper
having adhered to a first surface thereof by a bituminous adhesive, said Kraft paper containing a
biocide in the amount in weight of less than 200 ppm, which is effective in achieving no
observable fungi or mildew growth when tested in accordance with the ASTM C-1338 test
method.